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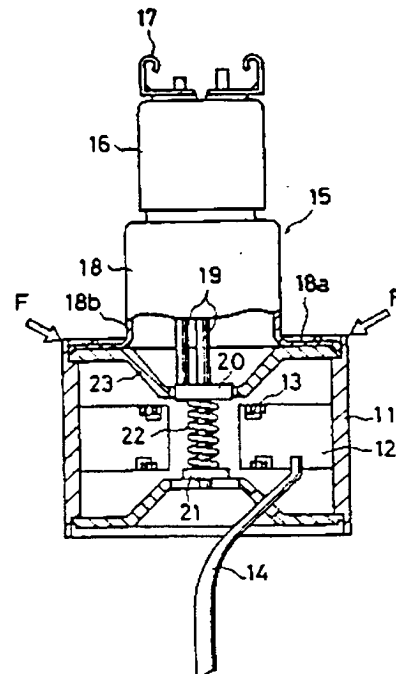
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TITLE : MAGNETRON FOR ELECTRONIC
OVEN AND MANUFACTURE THEREOF



ABSTRACT : PURPOSE: To control dislocation between both center shafts of the anode and the cathode and improve their mechanical strength, by fastening a part of mating faces between a pole piece and a flat flange part of a metallic vessel by means of welding.

CONSTITUTION: A pole piece 23 and a flat flange part 18a of a metallic vessel 18 are fitted in an aperture end of an anode cylinder 11, and the whole circumference is caulked tight as in an arrow F with uniform force at the same time. And, the whole circumference is joined together airtightly in a vacuum manner by means of arc welding. With this joining, the center shaft of a cathode supporting body structure 15 is congruently locked to that of the anode cylinder 11. Thus, respective parts can be assembled in a state of having them accurately positioned. And especially, since the flat flange part 18a proximate to the root of a cylinder part of the metallic vessel 18 is tightly welded to the pole piece 23, such a possibility that the cathode is eccentric to the anode is brought to almost nothing, so that mechanical strength is improved.

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